

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A composition comprising an effective amount of an ingredient ~~selected from the group consisting of~~ comprising an admixture of a molecule that stimulates energy metabolism of ~~the a~~ cell and an antioxidant ~~or admixtures thereof~~ in an amount sufficient to improve hair or coat quality of a human or an animal, in an orally acceptable carrier.

Claim 2 (currently amended): A composition according to claim 1, wherein said molecule is selected from the group consisting of L-carnitine, creatine, fatty acids (monounsaturated and polyunsaturated), cardiolipin, nicotinamide ~~or and~~ carbohydrate and natural sources thereof.

Claim 3 (previously presented): A composition according to claim 1 wherein the antioxidant is selected from a source selected from the group consisting of thiols including lipoic acid, cysteine, cystine, methionine, S-adenosyl-methionine, taurine, glutathione or natural sources thereof, a compound that upregulate their biosynthesis in vivo, vitamin C, vitamin E, carotenoids, ubiquinones, tea catechins, coffee extracts containing polyphenols and diterpenes, grape or grape seed extracts rich in proanthocyanidins, spice extracts, soy extracts and other sources of flavonoids with antioxidant activity and ursodeoxycholic acid, ursolic acid, ginseng and ginsenosides and natural sources thereof.

Claim 4 (previously presented): A composition according to claim 1 wherein the composition is selected from the group consisting of a pharmaceutical composition, a nutritionally complete pet food and a dietary supplement for animal consumption.

Claim 5 (previously presented): A composition according to claim 1 wherein the composition is selected from the group consisting of a pharmaceutical composition, a nutritionally complete human food, and a dietary supplement for human consumption.

Claim 6 (currently amended): A composition according to claim 1 wherein the composition provides a sufficient amount of the ingredient to stimulate hair growth.

Claim 7 (previously presented): A composition according to claim 1 wherein the composition provides a sufficient amount of ingredient to modulate hair sebum lipid production and/or composition

Claim 8 (previously presented): A composition according to claim 1 comprising at least one of carnitine and an antioxidant.

Claim 9 (withdrawn): A method for the preparation of an orally administrable composition intended to improve hair or coat quality in humans or animals comprising the steps of using a therapeutically-effective amount of an ingredient selected from the group consisting of molecules that stimulate energy metabolism of the cell and an antioxidant.

Claim 10 (withdrawn): A method for the preparation of an orally administrable composition intended to stimulate hair growth in humans or animals comprising the steps of using a therapeutically-effective amount of an ingredient selected from the group consisting of molecules that stimulate energy metabolism of the cell and an antioxidant.

Claim 11 (withdrawn): A method for the preparation of an orally administrable composition intended to modulate hair sebum lipid production and/or composition comprising the steps of using a therapeutically-effective amount of an ingredient selected from the group consisting of molecules that stimulate energy metabolism of the cell and an antioxidant.

Claim 12 (withdrawn): Method according to claim 9, wherein the human or animal is an adult.

Claim 13 (withdrawn): A method to improve hair or coat quality of humans or animals, comprising orally administering to the human or animal that requires improved hair or coat quality a composition comprising a therapeutically-effective amount of an ingredient selected from the group consisting of molecules that stimulate energy metabolism of the cell and an antioxidant.

Claim 14 (withdrawn): A method to stimulate hair growth in humans or animals, comprising orally administering to the human or animal a composition comprising a therapeutically-effective amount of an ingredient selected from the group consisting of molecules that stimulate energy metabolism of the cell and an antioxidant.

Claim 15 (withdrawn): A method to modulate hair sebum production and/or composition, comprising orally administering to an individual a composition comprising a therapeutically-effective amount of an ingredient selected from the group consisting of molecules that stimulate energy metabolism of the cell and an antioxidant.

Claim 16 (withdrawn): A method according to claim 13, wherein the individual is an adult.

Claim 17 (previously presented): A composition according to claim 1, wherein said molecule is an omega-3 fatty acid.

Claim 18 (withdrawn): Method according to claim 10, wherein the human or animal is an adult.

Claim 19 (withdrawn): Method according to claim 11, wherein the human or animal is an adult.

Claim 20 (withdrawn): A method according to claim 14, wherein the individual is an adult.

Claim 21 (withdrawn): A method according to claim 15, wherein the individual is an adult.